## ABSTRACT OF THE DISCLOSURE

## Method for controlling a drive motor of a positive displacement vacuum pump

A method for controlling a drive motor of a positive displacement vacuum pump comprises the following method steps: storing a curve (32) indicating a respective speed value n of the drive motor for inlet pressure values p. The curve (32) comprises: an upper range (34) for inlet pressure values p larger than or equal to an upper limit pressure  $p_1$ , with a single constant upper speed value  $n_1$  being associated with said upper range (34), and an alteration range (36) for inlet pressure values p smaller than the upper limit pressure  $p_1$ . In the alteration range different speed values  $n_v$  are associated with the inlet pressure value p is determined. The speed n associated with the inlet pressure value p in the curve (32) is determined and the drive motor (20) is operated at the determined speed n. By providing an alteration range (36) the vacuum pump can always be operated at a speed which allows maximum effective suction capacity of the positive displacement pump.